

DOCKETED

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Renewable Energy Transmission Initiative v2.0

Plenary Group Meeting on Long-Term Renewable Scenarios and Preliminary Transmission Assessment Focus Areas

April 18, 2016

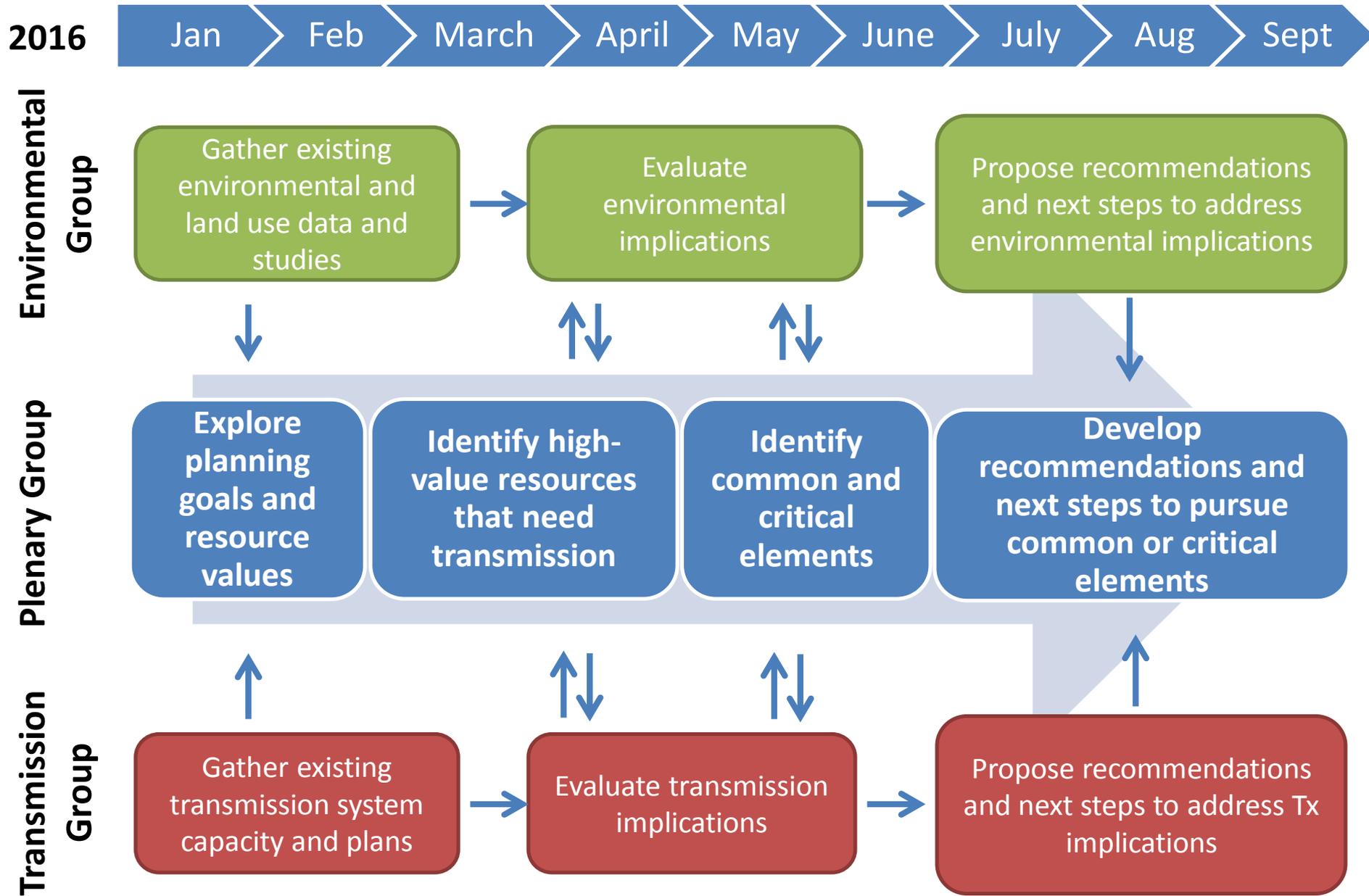
Today's agenda

1. **Introductions and workshop goals**
2. **Studies of long-term renewable resource portfolios and their implications for potential transmission infrastructure needs.**
 - a) **CPUC Sensitivity Studies of potential 2030 RPS Portfolios**
Forest Kaser, California Public Utilities Commission
 - a) **California 2030 Low Carbon Grid Study**
Dr. Greg Brinkman, National Renewable Energy Laboratory
 - a) **Low Carbon Grid Study: Implications and Sensitivities**
Jim Caldwell, Center for Energy Efficiency and Renewable Technologies
 - a) **Western Electricity Coordinating Council studies of high-renewables future**
Tom Carr of the Western Interstate Energy Board
 - a) **Integrating Land Conservation and Renewable Energy Goals**
Erica Brand with The Nature Conservancy
3. **Introduction of RETI 2.0 Transmission Assessment Focus Areas approach, discussion of sample Focus Areas, and Next Steps**

RETI 2.0 Objectives

- Statewide, non-regulatory planning effort to help meet statewide GHG and renewable energy goals.
- Explore combinations of renewable generation resources in California and throughout the West that can best meet goals
- Build understanding of transmission implications of renewable scenarios, and identify common transmission elements
- Identify land use and environmental opportunities and constraints to accessing these resources
- Inform future planning and regulatory proceedings

RETI 2.0 Process and Timeline



Progress to date and next steps

Plenary Group

- January 29: Planning Goals
- March 16: Renewable resource areas and values
- April 18: Studies of 2030 Portfolios and intro Transmission Assessment Focuses
- May 2: Present Planning Goals; Resource Values; and draft TAFs

Environmental and Land Use Technical Group

- November 22 and December 4: Existing environmental data, tools, and studies
- January 22: Summary of compiled data and proposed approach
- May 2: Present existing data and tools and assessment framework

Transmission Technical Group

- January 22: Existing transmission system, current plans, and pending proposals
- May 2: Present existing system data and assessment framework

Today's goals

1. Use long-term studies of California and Western renewable resource portfolios to help focus in on renewable resources, geographic resource zones, and transmission paths and interties of particular potential importance to meet 2030 (and trajectory to 2050) GHG goals
2. Introduce stakeholders to Transmission Assessment Focus Area approach, and seek input on data or studies to guide identification of Focus Areas

Discussion Questions

1. What conclusions can be drawn from long-term renewable resource portfolios about the kinds of resources that may be important for California utilities to procure by 2030?
2. What lessons about the role of transmission can we learn from the studies?
3. Based on these studies and prior information, where should RETI 2.0 focus in examining transmission options and implications?
4. Is the proposed Transmission Assessment Focus Area approach appropriate for guiding the next phase of the RETI 2.0 project?

Questions, comments, suggestions?

<http://www.energy.ca.gov/reti/>
and click on the “Submit eComment” link

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